

**Table 35. Age-adjusted death rates for persons 25–64 years of age for selected causes of death, according to sex and educational attainment: Selected States, 1994–2000**

[Data are based on death certificates]

Cause of death and year	Both sexes			Male			Female		
	Years of educational attainment <sup>1</sup>			Years of educational attainment <sup>1</sup>			Years of educational attainment <sup>1</sup>		
	Less than 12	12	13 or more	Less than 12	12	13 or more	Less than 12	12	13 or more
All causes									
	Age-adjusted death rate per 100,000 population								
1994	594.6	506.4	254.8	793.6	707.1	323.5	397.3	342.9	182.1
1995	604.7	512.5	251.9	801.1	713.2	316.8	408.6	348.1	183.5
1996	579.6	492.5	241.8	763.9	669.6	300.7	396.6	344.2	180.3
1997	554.1	473.4	232.7	719.7	634.4	283.4	387.2	337.5	180.2
1998	561.6	465.8	223.9	727.6	627.1	271.9	395.6	330.9	174.3
1999	585.3	474.5	219.1	763.7	636.7	264.2	409.9	337.3	172.6
2000	591.0	484.5	216.7	780.2	641.8	260.8	409.0	347.7	171.9
Chronic and noncommunicable diseases									
1994	440.5	380.7	193.7	561.9	504.4	228.4	325.0	286.8	155.5
1995	445.1	384.0	192.1	563.4	507.3	224.4	332.1	290.0	156.3
1996	432.7	375.3	189.0	550.6	486.9	222.1	321.2	287.7	153.4
1997	419.0	368.8	187.4	527.0	474.1	219.0	316.0	284.6	153.8
1998	425.2	362.9	180.9	534.4	470.2	211.3	321.3	277.9	148.6
1998 comparability-modified <sup>2</sup>	429.5	366.5	182.7	539.7	474.9	213.4	324.5	280.7	150.1
1999 <sup>3</sup>	447.0	369.8	177.2	563.0	477.6	205.5	337.2	283.6	147.4
2000 <sup>3</sup>	446.2	377.6	175.7	567.2	481.5	202.9	334.3	292.3	147.2
Injuries									
1994	95.8	73.4	31.9	149.4	119.2	45.7	38.9	31.7	17.9
1995	96.6	74.3	31.6	149.4	120.3	45.3	40.0	32.1	17.8
1996	92.3	73.0	32.0	139.8	116.2	45.7	40.6	32.7	18.4
1997	92.7	73.5	31.9	138.8	116.4	45.5	41.1	33.4	18.4
1998	93.9	73.8	31.2	139.4	116.6	44.4	43.8	33.7	18.3
1998 comparability-modified <sup>2</sup>	95.0	74.7	31.6	141.0	118.0	44.9	44.3	34.1	18.5
1999 <sup>3</sup>	94.8	75.2	30.6	143.7	118.3	43.2	42.6	34.4	18.1
2000 <sup>3</sup>	99.8	76.4	30.3	153.9	118.6	43.1	43.7	35.2	17.9
Communicable diseases									
1994	57.5	51.6	28.9	81.5	82.8	49.1	32.5	23.7	8.4
1995	62.1	53.4	27.9	87.3	84.7	46.7	35.8	25.2	8.9
1996	53.7	43.3	20.2	72.5	65.6	32.6	33.8	23.0	8.0
1997	41.6	30.1	12.9	53.1	42.9	18.4	29.3	18.7	7.6
1998	41.5	28.2	11.4	52.8	39.4	15.7	29.6	18.4	7.0
1998 comparability-modified <sup>2</sup>	35.4	24.1	9.7	45.1	33.6	13.4	25.3	15.7	6.0
1999 <sup>3</sup>	42.1	28.5	10.8	54.8	39.5	15.1	29.4	18.8	6.6
2000 <sup>3</sup>	43.5	29.4	10.3	56.9	40.4	14.3	30.3	19.5	6.4
HIV disease:									
1994	36.2	36.5	21.4	54.7	63.0	39.7	16.8	12.3	2.9
1995	39.7	38.0	20.6	59.0	64.4	37.8	19.0	13.7	3.5
1996	31.9	27.7	13.1	45.4	45.4	23.8	17.2	11.2	2.4
1997	19.4	14.3	5.8	26.3	23.0	10.1	11.8	6.2	1.6
1998	17.3	11.7	4.3	23.4	18.3	7.5	10.6	5.6	1.1
1998 comparability-modified <sup>2</sup>	19.8	13.4	4.9	26.8	20.9	8.6	12.1	6.4	1.3
1999 <sup>3</sup>	19.0	13.1	4.6	26.1	20.1	7.9	11.7	6.6	1.4
2000 <sup>3</sup>	19.8	13.2	4.1	26.9	19.8	7.1	12.6	7.1	1.2
Other communicable diseases:									
1994	21.2	15.1	7.5	26.8	19.7	9.4	15.7	11.4	5.5
1995	22.4	15.5	7.2	28.2	20.3	8.8	16.8	11.5	5.5
1996	21.8	15.7	7.2	27.2	20.2	8.8	16.7	11.9	5.6
1997	22.2	15.9	7.1	26.8	19.9	8.2	17.6	12.5	6.0
1998	24.2	16.5	7.1	29.4	21.1	8.2	19.0	12.8	5.9
1998 comparability-modified <sup>2</sup>	19.4	13.2	5.7	23.6	16.9	6.6	15.2	10.3	4.7
1999 <sup>3</sup>	23.1	15.4	6.2	28.8	19.4	7.2	17.6	12.2	5.3
2000 <sup>3</sup>	23.7	16.2	6.2	30.0	20.6	7.2	17.7	12.4	5.1

<sup>1</sup>Educational attainment for the numerator is based on the death certificate item "highest grade completed." Educational attainment for the denominator is based on answers to the Current Population Survey question "What is the highest level of school completed or highest degree received?" (Kominski R, Adams A. Educational Attainment in the United States: March 1993 and 1992, U.S. Bureau of the Census, Current Population Reports, P20-476, Washington, DC, 1994.)

<sup>2</sup>Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD-9 and ICD-10. See Appendix II, Comparability ratio and table VI.

<sup>3</sup>Starting with 1999 data, cause of death is coded according to ICD-10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. For data years shown, code numbers for cause of death are based on the current revision of the *International Classification of Diseases*. See Appendix II, tables IV and V. Based on data from 45 States and the District of Columbia (DC) in 1994–96 and 46 States and DC in 1997–2000. See Appendix I, National Vital Statistics System.

Death records with education not stated are not included in the calculation of age-adjusted death rates shown in this table. Percent not stated averages 3–9 percent of the deaths comprising the age-adjusted death rates for causes of death in this table. Misreporting of education on the death certificate tends to overstate the death rate for high school graduates (12 years of education) because there is a tendency for some people who did not graduate from high school to be reported as high school graduates on the death certificate; by extension, the death rate for the group with less than 12 years of education tends to be understated. Data for the elderly population are not shown because percent with education not stated is somewhat higher for this group and because of possible bias due to misreporting of education on the death certificate. (Sorlie PD, Johnson NJ: Validity of education information on the death certificate, *Epidemiology* 7(4):437–439, 1996.)

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System; denominator data from unpublished population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census.